

Leica SP8 Confocal Microscope
Specifications

| Items | | | |
|-------------------|--|-----------------|-----------|
| Objectives | <ul style="list-style-type: none"> • 10X/ 0.4 • 20X/ 0.7 • 40X/ 1.3 OIL • 63X/ 1.4 OIL • 100X/ 1.4 OIL • 63X/ 1.2 WATER | | |
| Lasers | <ul style="list-style-type: none"> • 405 nm • 488 nm • 514 nm • 552 nm • 638 nm | | |
| Filter Sets | DAPI | Ex: BP340 - 380 | Em: LP425 |
| | FITC | Ex: BP450 - 490 | Em: LP515 |
| | Texas Red | Ex: BP515 - 560 | Em: LP590 |
| | Transmitted light | | |
| Camera | <ul style="list-style-type: none"> • 3x HyD Sp GaAsP detectors • 1x PMT • 1x Transmitted PMT | | |
| Incubation System | Tokahit temperature & CO2 module <ul style="list-style-type: none"> • CO2 concentration adjustable between 1 - 8% • Precision +/- 0.1% • Temperature adjustable between 28 - 50 °C • Accuracy +/- 0.1% | | |
| Scanner | Motorized, conventional XY scanner <ul style="list-style-type: none"> • Max. resolution: 8192 x 8192 pixels • Max. speed: 7 fps @ 512 x 512 pixels/ 54 fps @ 512 x 16 pixels | | |
| | Super Z Galvo stage <ul style="list-style-type: none"> • Min. step size: 3 nm | | |
| Sample Insert | <ul style="list-style-type: none"> • 1x Slide • 1x Petri Dish 35 mm • Multichamber 1536, 384, 96 • 1x Slide (incubation chamber) • 1x Petri Dish 35 mm (incubation chamber) | | |

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| Software | <p>LAS X SP8 Control Software</p> <ul style="list-style-type: none">• Multi-dimensional data acquisition• Region of interest scan• Emission spectrum recording• Quantification tools• Multi-colour restoration, spectral unmixing• Multi-position scan• Time lapse scan• Tile scan and spiral scan• Huygens Essential Deconvolution• Generate 3D superresolution 130 nm |
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